

Project Business Case

Project Name: AFIS Upgrade Project

Project Short Name: AFIS Upgrade Project

Agency: Office of Attorney General

Business Unit/Program Area: Bureau of Criminal Investigation (BCI)

Type of Project: Major enhancement/upgrade

Date: 1/8/2007

Version: 1

Project Description:

The Bureau of Criminal Investigation (BCI) is the law enforcement arm of the Office of Attorney General and has full law enforcement and arrest authority throughout the state of North Dakota. There are six sections within BCI that provide services to local, state, and federal law enforcement agencies: criminal, narcotics, training, information services, domestic violence prevention, and grants management. BCI is a remote user of the Minnesota Bureau of Criminal Apprehension (BCA) Automated Fingerprint Identification Network (MAFIN). Their fingerprint records are processed and stored at the Minnesota BCA AFIS 2000 system. Refer to the diagram in Figure 1.

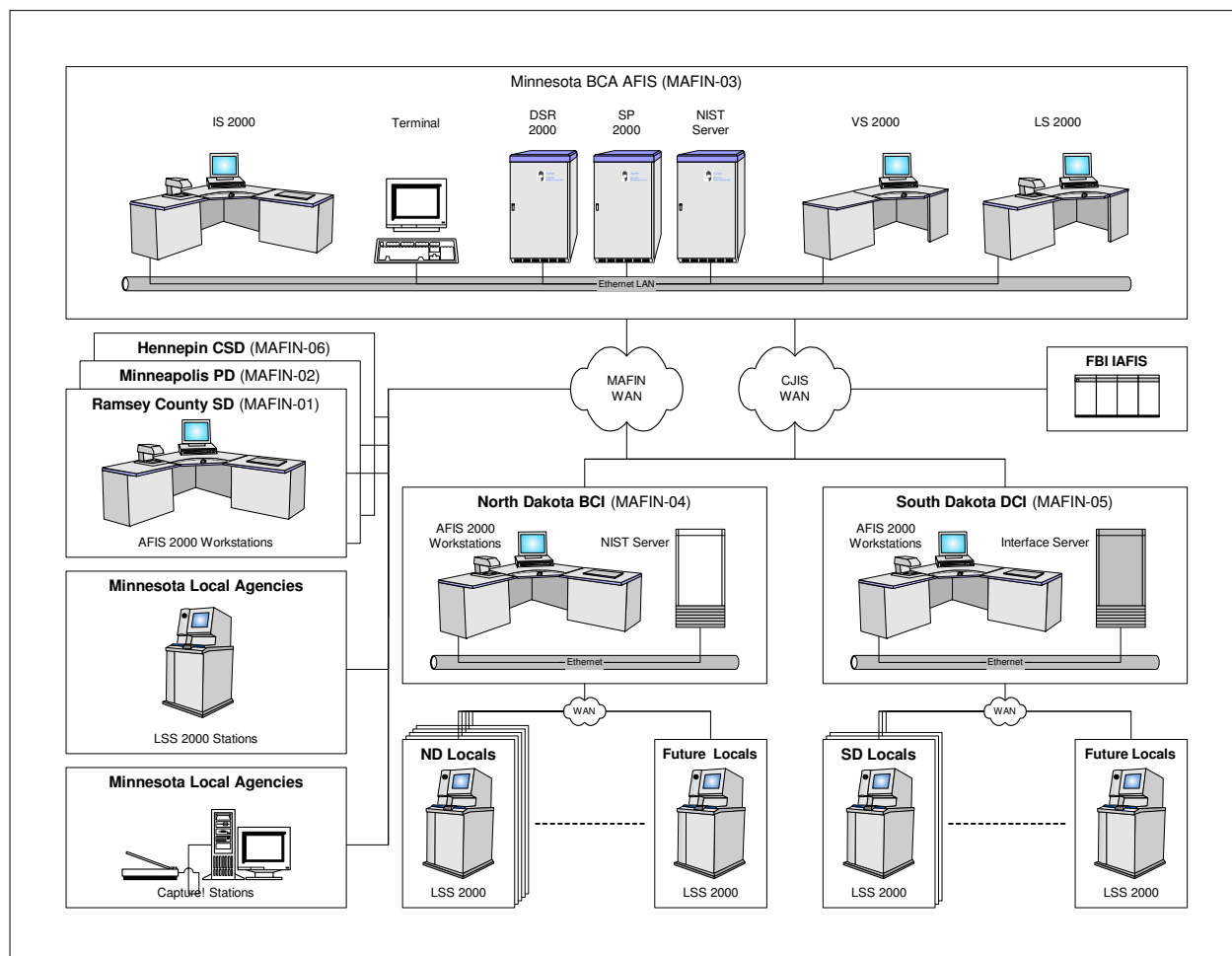


Figure 1 - BCI Network

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BCI has remote AFIS equipment installed on a WAN to submit tenprint and latent searches. All North Dakota fingerprint records are stored on the BCA AFIS with a unique identifying number. Livescan stations installed in the State submit tenprints to the NIST Server for pre-processing. The NIST Server initiates a subject search against the CCH. The subject search result is forwarded by the AFIS workstation for validation. If the subject search and validation fail to determine positive identification, then a technical search is submitted against the MAFIN database. After searching, the LiveScan submissions are archived and forwarded (as required) to the FBI. Tenprint cards are processed in a similar manner.

The current AFIS serves as a central component to the criminal justice system and has historically been used for two primary purposes:

- Uniquely associate a criminal history to the correct individual
- Assist in matching fingerprints to unsolved crimes

This project directs the upgrades to AFIS software and Equipment.

There are actually two projects that have been combined.

AFIS Equipment:

1. The current AFIS Equipment was expected to reach end of life by the end of 2006. Storage for fingerprints is at capacity. Motorola will no longer support the old equipment.
2. Upgrade is also needed to expedite the process of fingerprinting. Currently, there is a workstation in a secure area and workers must share the equipment. A larger workload is anticipated due to the mandating of background checks.

AFIS Workflows:

1. In anticipation of a larger workload, the workflows need to be added and modified to provide more flexibility in the submission of fingerprint cards.

Motorola is the main performing organization contracted to do the upgrade.

Business Need/Problem:

The business needs/Problems are as follows:

- As part of the Midwest Automated Fingerprint Identification Network (MAFIN) and in conjunction with the North Dakota Bureau of Criminal Investigation (BCI), the BCI must replace the equipment associated with the MAFIN Automated Fingerprint Identification System (AFIS) that is shared between Minnesota, North Dakota, and South Dakota.
- The current Minnesota AFIS System was expected to reach end of life by the end of 2006. End of life problems include:
 - Exceeding storage capacities
 - Technology would no longer be supported

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- BCI is anticipating a large increase in the amount of applicant cards they will need to process. Currently, there is no automated workflow for Offender Registration, Applicant Cards, and Concealed Weapon Permit Applicant cards.

Solution:

The solution is to join with Minnesota and South Dakota in their upgrade project to avoid end of life problems and to increase the efficiency of processing.

Consistency/Fit with Organization's Mission:

This project is consistent with the agency's mission and/or strategic plan. The agency is responsible for maintaining a repository of offender arrests, prosecution and court dispositions that are based on the accuracy of the fingerprint identification. This information is used by ND entities as well as nationally. Therefore, this update is critical to the ongoing success of identifying criminals.

Cost Benefit Analysis

Anticipated Benefits:

- NDAGO will be able to continue current business.
- Storage capacity will be increased from 1.5 million fingerprint submissions to over 5.5 million.
- Increase the number of fingerprint based record checks and AFIS submissions per FTE:
 - Automate the submission of the following fingerprint cards: Offender Registration, Applicant Cards, and Concealed Weapon Permit Applicant cards.
 - Currently, there is a workstation in a secure area and workers must share the equipment. This project will place a workstation on each worker's desk. Workers will no longer need to schedule workstation time.

Cost Estimate:

Hardware/Software \$124,994 + Services \$211,431 = Total cost of \$336,425 (funded by Federal grants already received)

Cost/Benefit Analysis:

By upgrading we will be able to avoid the problems caused by end of system life. We will not see a dollar to dollar return on investment; however we will be able to conduct normal business.

Project Risks:

- Multiple states are involved and interrelated. This will cause risk because a schedule slip in other areas may also cause delay to North Dakota AGO.

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- We plan to utilize multiple contractors in the execution of this project. This will cause risk because we have no authority over resource management.